Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/11/2016 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125139	0	2.27	125022	2.25
Blue	F	SSC	125000	123917	-1	3.77	124428	3.66
Blue	E	FITC	22946	22290	-3	2.65	985	9.46
Blue	D	PE	28770	27763	-4	2.27	994	8.59
Blue	B	PerCP-Cy5-5	51099	50595	-1	3.41	1445	15.05
Blue	A	PE-Cy7	42312	41817	-2	4.92	644	31.94
Red	C	APC	52169	51228	-2	2.85	2966	9.13
Red	A	APC-Cy7	56705	55955	-2	2.89	1156	10.83
Violet	B	V450	14708	14315	-3	3.82	691	8.56
Violet	A	V500	58608	57613	-2	3.55	2558	6.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19835	3.77	588	-10	N/A	N/A	Pass
Blue	F	SSC	61692	2.54	519	1	N/A	N/A	Pass
Blue	E	FITC	114	35.79	526	-5	0.0255	168	Pass
Blue	D	PE	220	25.59	521	-5	0.2227	259	Pass
Blue	B	PerCP-Cy5-5	231	39.37	616	-6	0.0133	105	Pass
Blue	A	PE-Cy7	73	100.60	663	-8	0.0147	6	Pass
Red	C	APC	344	26.51	587	-3	0.0221	63	Pass
Red	A	APC-Cy7	126	38.73	572	-4	0.0062	1609	Pass
Violet	B	V450	83	40.03	465	6	0.0506	1831	Pass
Violet	A	V500	186	21.84	494	6	0.0145	249	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-31.36	0.83
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	18.44	13.27 - 19.91	N/A	N/A	31.89	32.02	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9558

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments